

- Filter membrane prodn. - comprises using electrolytic etching soln. in which perchloric acid is added to chloride soln..

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In producing a filter membrane, which is made by perforating etching pit in an aluminium foil, having at least 99.9% purity, the etching treatment comprises using an electrolytic etching soln., adding 0.1-30 wt.% perchloric acid to aq. soln. of chloride.

USE/ADVANTAGE - The filter **membrane** is used for **cleaning**, purifying or sepn. of **gas** or **liq.** in the **mixt.**

In an example a sintered aluminium foil, comprising 99.99% aluminium and having 0.1 mm thickness, is treated by an electrolytic etching on both surfaces under the following conditions: base liq. being 5 wt.% HCl, adding agent to the base liq. being 2 wt.%, temp. of liq. being 80 deg.C, density of electric current being 10 A/dm<sup>2</sup> and etching time being 2 min.. The treated foil is treated by an anodic oxidn. in liq. mixt. of boric acid or ammonium borate to be 0.3 micron average dia. of the pit.  
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